.References:

1. G.R. Slemon ,**(1966)**, *Magnetoelectric Devices: Transducers, Transformers and Machines*, Publisher: Wiley.

2. L. Suber, R. Zysler ,A.Garcia Santiago, D.Fiorani, M.Angiolini, A.Montone, J.L. Dormann, **(1998)**, " Size and Shape Effect on the Magnetic Properties of α-Fe_2O_3Nanoparticles,"*Mater. Sci. Forum* ,**Volume No.937**, Page No. 269.

3. Y. Q. Chu, Z. W. Fu, Q. Z. Qin, **(2004)** , " Cobalt ferrite thin films as anode material for lithium ion batteries," *ElectrochimicaActa* , **Volume No.49**,Page No.4915.

4. W. Fu, H. Yang, M. Li, N. Yang, G. Zou, **(2005)**, "Anatase TiO_2 nanolayercoating on cobalt ferrite nanoparticles for magnetic photocatalyst," *MaterialsLetters* **Volume No.59,** Page No. 3530.

5. M. Pita, J. M. Abad, C. Vaz-Dominguez, C. Briones, E. Mateo-Martí, J. A. Martín-Gago, M. D. P. Morales, V. M. Fernández, **(2008), "** Synthesis of cobalt ferrite core/metallic shell nanoparticles for the development of a specific PNA/DNAbiosensor,"*Journal of Colloid and Interface Science* ,**Volume No.321,** Page No.484.

6. Bautista M C, Bomati-Miguel O, Zhao X, Morales M P, Gonz´alez-Carre T, P´erez de Alejo R, Ruiz-Cabello J and Veintemillas-Verdaguer S **(2004) , "**Comparative study of ferrofluids based on dextran-coated iron oxide and metal nanoparticles forontrast agents in magnetic resonance imaging,"*Nanotechnology,***Volume No.15,**Page No.154.

7. V.L. Mathe , R.B. Kamble, **(2008)**, " Anomalies in electrical and dielectric propertiesof nanocrystalline Ni–Co spinel ferrite,"*Materials Research Bulletin* , **Volume No.43,**Page No. 2160–2165.

8. Binghai Liu, Jun Ding, Jiabao Yi and Jianhua Yin,**(2008),**"Magnetic Anisotropies inCobalt-Nickel Ferrites ($Ni_xCo_{1-x}Fe_2O_4$),"*Journal of the Korean Physical Society*, **VolumeNo**.**52,**Page No.1483-1486.

9. Nguyen Khanh Dung, Nguyen Hoang Tuan, **(2009),"**The effect of cobalt substitutionon structure and magnetic properties of nickel ferrite,"*VNU Journal of Science Mathematics – Physics,* **Volume No.25** , Page No. 153-159.

10. GangatharanSathishkumar, Chidambaram Venkataraju, KandasamySivakumar,**(2010),**"Synthesis, Structural and Dielectric Studies of Nickel Substituted Cobalt-Zinc Ferrite,"*Materials Sciences and Applications,***Volume No1**, Page No.19-24.

11. Marian Vopasaroiu, John Blackburn and Markys G Cain ,**(2007)**, " A new magneticrecording read head technology based on the magneto-electric effect,"*J.Phys.D:Appl. Phys*.**Volume No -40,** Page No.5027-5033.

12. E. O. Kamenetskii, M. Sigalov, and R. Shavit S. Tatarenko, G. Srinivasan, and D. A. Filippov, **(2007)**,"Magnetoelectric effect for novel microwave device applications," *Electron. Lett.*,**Volume No.43**, Page No. 12 .

13. Ce-Wen Nan, M. I. Bichurin ,Shuxiang Dong , D. Viehland and G. Srinivasan., **(2008)**,"Multiferroicmagnetoelectric composites: Historical perspective, status, and futuredirections,"*Journal of applied Physics*, **Volume No.103**, Page No-311.

14. G.Viau, R.Brayner, L.Poul, N.Chakroune, E.Lacaze, F.F.Vincent,F.Fievet, **(2003)**, "Ruthenium Nanoparticles: Size, Shape, and Self-Assemblies," *Chem. Mater.*, **Volume No**.**15**, Page No.-486.

15. B.Wiley,T.Herricks,Y.Sun,Y.Xia, **(2004)**, "Polyol Synthesis of Silver Nanoparticles: Use of Chloride and Oxygen to Promote the Formation of Single-Crystal, Truncated Cubes andTetrahedrons,"*NanoLett*., **Volume No -41**, Page No.-733.

16. J.Z.Jiang, G.F.Goya, H.R. Rechenberg, **(1999)**,“ Magnetic properties of nanostructured $CuFe_2O_4$,”*J.Phys.:Condens.Matter.,***Volume No**.**11**, Page No.40-63.

17. P.K. Roy, J. Bera. , **(2008)**, “Characterization of nanocrystalline Ni-Cu-Zn ferrite powders synthesized by sol-gel auto-combustion method”, *Journal of MaterialsProcessing Technology* ,**Volume No**.**197**, Page No. 279-283.

18. R. C. Kamble, P. A. Shaikh, S. S. Kamble,Y. D. Kolekar,**(2009)**, “ Effect of cobaltsubstitution on structural, magnetic and electric properties of nickel ferrite,”*Journals of Alloys and Compounds* ,**Volume No478**, Page No.599-603.

19. V. Musat , O. Potecasu , R. Belea, P. Alexandru, **(2010)**, " Magnetic materials from co- precipitated ferrite nanoparticles,”*Materials Science and Engineering B,***Volume No.167**.Page No. 85-90.

20. D. Ravinder, S. SrinivasaRao, P.Shalini.,**(2003)**, “ Room temperature electric properties of cadmium-substituted nickel ferrites,”*Materials Letters* ,**Volume No.57**, Page No.4040-4042.

21. M. B. Shelar, P. A. Jadhav, B. K. Chougule and V. R. Puri., (**2010)**, “ Synthesis andcharacterization of (y) Ni1-xCdxFe2O4 and (1-y) Ba0.8Sr0.2TiO3 Magnetoelectriccomposites prepared through combustion method,”*Arch. Appl. Sci. Res.,*: **Volume No.2 (Issue 1)**,Page No.406-415.

22. M.B. Shelar , P. A. Jadhav , D. R. Patil , B. K. Chougule , VijayaPuri , **(2010)** ,“Chemical synthesis and studies on structural and magnetic properties of fine grainednickel cadmium ferrites,”*Journal of Magnetism and Magnetic Materials,* **Volume No**.**322**,Page No. 3355–3358.

23. R.S.de Biasi ,A.B.S. Figueiredo,A.A.R.Fernandes,C.Larica**,(2007), “**Synthesis of cobalt

ferrite nanoparticles using combustion waves",*solid state communications*,**Volume No.**

144,Page No. 15-17.

24. E.Wolska,W. Wolski, P.Piszora, M.Pietrusik,J.Subrt,T.Grygar,M.Nejezchleba**,(1999),** **"**X- raypowdwr diffraction and Mossbaur studies on the formation of $Cd_{0.5}Ni_{0.5}Fe_2O_4/Zn_{0.5}$ $Ni_{0.5}Fe_2O_4$ spinel solid solutions".*International Journal of Inorganic Materials*,**Volume No.1**,Page No.187-192.
25. Jun Zhou,JunfengMa,Chong Sun, LijinXie, ZhongqiangZhao,andHuaTian**,(2005),** **"**Low-Temperature Synthesis of $NiFe_2O_4$byaHydrothermalmethod".*Institute of Materials Sciences and Engineering*,**Volume No.88**,Page No.3535-3537.
26. PathanA.N.KalyaniSangshetti,Pangal A.A.G**.(2010), "**Synthesis,chacterisation and magnetic of $Co_{0.4}Zn_{0.4-x}Cu_xFe_2O_4$Nanoparticles".*Nanotechnology and Nanoscience*,**Volume No1**,**Issue (1)**Page No.8-12.
27. S.A.Khorrami,S.A.Sepehr,S.Manie,G.Mahmoudzadeh,S.Madani,S.Moradi,A.A.M. Sharif, F.Gharib and R.Lotfi**,(2010), "**Preparation and Evolution of $NiFe_2O_4$ and $CuFe_2O_4$ Nanocrystals by Combination of Sol-Gel Auto-Combustion Method and Irradation Technique".*Journal of Physical and Theoretical Chemistry,***Volume No.7,**Page No.33-36.
28. ZhenxingYue,JiZhou,LongtuLi,HongguoZhang,ZhilunGui**,(2000),** "Synthesis of nanocrystallineNiCuZn ferrite powders by sol-gel auto-combutionmethod".*Journal of Magnetism and Magnetic Materials*,**Volume No.208**,Page No.55-60.
29. B.S. Randhawa ,H.SDosanjh&ManpreetKaur**,(2005), "**Preparation of ferrites from the combustion of metal nitrate-oxalyldihydrazidesolutions",*Indian Journal of*

Engineering

*and Materials Sciences,***Volume No.12**,Page No.151-154.

30.S.Khorrami,F.Gharib,G.Mahmoudzadeh,S,SadatSepehr,S.Sadat Madani,N.Naderfar,S.manie**,(2011), "**Syntesis and chacterization of nanocrystalline spinel Zinc ferrite prepared by sol-gel auto –combutiontechniques",*International Journalof Nano Dimension,***Volume No.3**,Page No.221-224.

31.Mahesh Chand,Arvind Kumar, Annveer,SandeepKumar,Ajay Shankar &R.P.Pant**,(2011),** "Invistigatioons on $Mn_xZn_xFe_2O_4$(x=0.1,0.3 and0.5) nanoparticles synthesized by sol-gel and cp-precipitation methods",*Indian Journal of Engineering and*

*Materials Sciences***,Volume No.18**,Page No.385-389.

32.KashinathC.Patil,S.T.Aruna, TanuMimani**,(2002), "**Combustion synthesis: anupdate," *Current Opinion in Solid State and Materials Science*,**Volume No.6,**Page

No.507-512.

33.T.Giannakopoulou,L.Kompotiatis,A.Kontogeorgakos,G.Kordas,(**2002)**, "Microwave

behavior of ferrites prepared via sol-gel method",*Journal of Magnetism and Magnetic Materials*,**Volume No.246**,Page No.360-365.

34.A.B.Gadkari,T.J.Shinde,P.N.Vasambekar**,(2010),** "structural and Magnetic properties of

nanocrystalline Mg-Cd ferrites prepared by oxalate co-precipitation method".*J. Mater sci:MaterElectron,***Volume No.21,**Page No.96-103.

35.R.G.Kharabe,S.A.Jadhav,A.M.Shaik,D.R.Patil,B.K.Chougule**,(2001),** "Magnetic Properties of mixed Li-Ni-Cd ferrits," *journal of materials chemistry and physics*,**VolumeNo.72**,Page No.77-80.

36.A.Rafferty,T.Prescott,D.Brabazon**,(2008)**, "Sintring behavior of cobait ferrite ceramic"*Journal of ceramics international*,**Volume No.34**,Page No.15-21.

37.A.ASattar,H.M.EI-Sayed and W.R. Agami**,(2006),** "Physical and Magnetic Properties of

Calcium-Substituted Li-Zn ferrite",*ASMInternational,***Volume No.16,**Page No.573-577.

38.Ritu Rani, Gagan Kumar, Khalid MujasamBatoo,M.Singh, **(2013) "**Electric and dielectric study of Zinc substituted Cobalt Nanoferritesprepared by solution combustion

method."*American journal of Nanomaterials,* **VoumeNo.1,** Page No.9-12.

39.R.A.Jasso-Terian,D.A.Cortes-Hernandez, E.M.Muzquiz-Ramos,H.J.Sanchez-Fuentes,**(2014),** "Synthesis and characterization of Zinc and Calcium nanoferrites,"*J mater science:,* **Volume No.25,** Page No.2221-2228.

40.Yong sheng Liu,YunboZhong, Jincangzhang, ZhingmingRen, Shixum Cao, Zhenglong

Yang and TianGao,**(2011),** "Structure and magnetic properties of MnZnnanoferrites Synthesized under a high magnetic field,"*Journal of Applied physics,***Volume No.110,** Page No. 074310.

41.M.K.Shobana,WonjongNam,andHeemanChoe,**(2013), "**Yttrium-Doped cobalt Nanoferrites prepared by sol gel combustion method and its characterization,"*Journal of*

*Nanoscience and Nanotechnology,***Volume No.13,** Page No.3535-3538.

42.S.M.Ismail, Sh.Labib,andAttallah,**(2013),** "Preparation and Characterization of Nano-

Cadmium ferrite," *Journal of Ceramics,***Volume No.2013,**Pages 8.

43.M.A. Ahmed , N. Okasha, S.I. Ei-Dek, **(2008)**, " Preparation and characterization of

nanometricMn ferrite via different methods,"*Nanotechnology* , **Volume No.19**, Page

No.656

44. K .B. Modi, M.K. Rangolia, M.C. Chhantbar, H.H. Joshi. , **(2006)**," Study of infrared

spectroscopy and elastic properties of fine and coarse grain nickel-cadmium ferrite,"*J. Mater Sci.***Volume No41**, Page No.7308-7318.

45 .J.Z. Msomi, T. Moyo, T.B. Doyle, **(2007)**," Magnetic properties of bulk and nanosized $(Zn,Cu,Cd)_{0.5}Ni_{0.5}Fe_2O_4$ferrites,"*Journal of magnetism and magnetic materials* ,**Volume No.310**, Page No. 2534-2536

46 .George M, Mary J.A., Swapna S. N., **(2006)**, *J Magn.Magn.Mater.***Volume No.302,**

Page No.190-195.

47. Chander S., Bipin K.S., AnjaliK.,**(2004)**, "Finite size effects on the structural and

magnetic properties of sol–gel synthesized NiFe2O4 powders,"*Ind. J. Pure and Appl. Phys.***Volume No.42,** Page No.366-370.

48.Shobana M.K., Rajendran V., Jeyasubramanian M., Suresh Kumar N., **(2007)**,

"Preparation and characterisation of NiCo ferrite nanoparticles," *Mater. Lett.***Volume**

No.612,Page No.2616-2619.

49. Shobana M.K., Sankar S., Rajendran V.,**(2009)**," Characterizationof $Co_{0.5}Mn_{0.5}Fe_2O_4$

Nanoparticles,"*Mater. Chem. Phys.***Volume No.113,** Page No.10-13.

50. M. K. Shobana, **(2012),“** Magnetic study of some nanoferrite materials,” *International*

Journal of Nano Dimension ,**Volume No.3(1),** Page No.81-86.